



FIG. 1

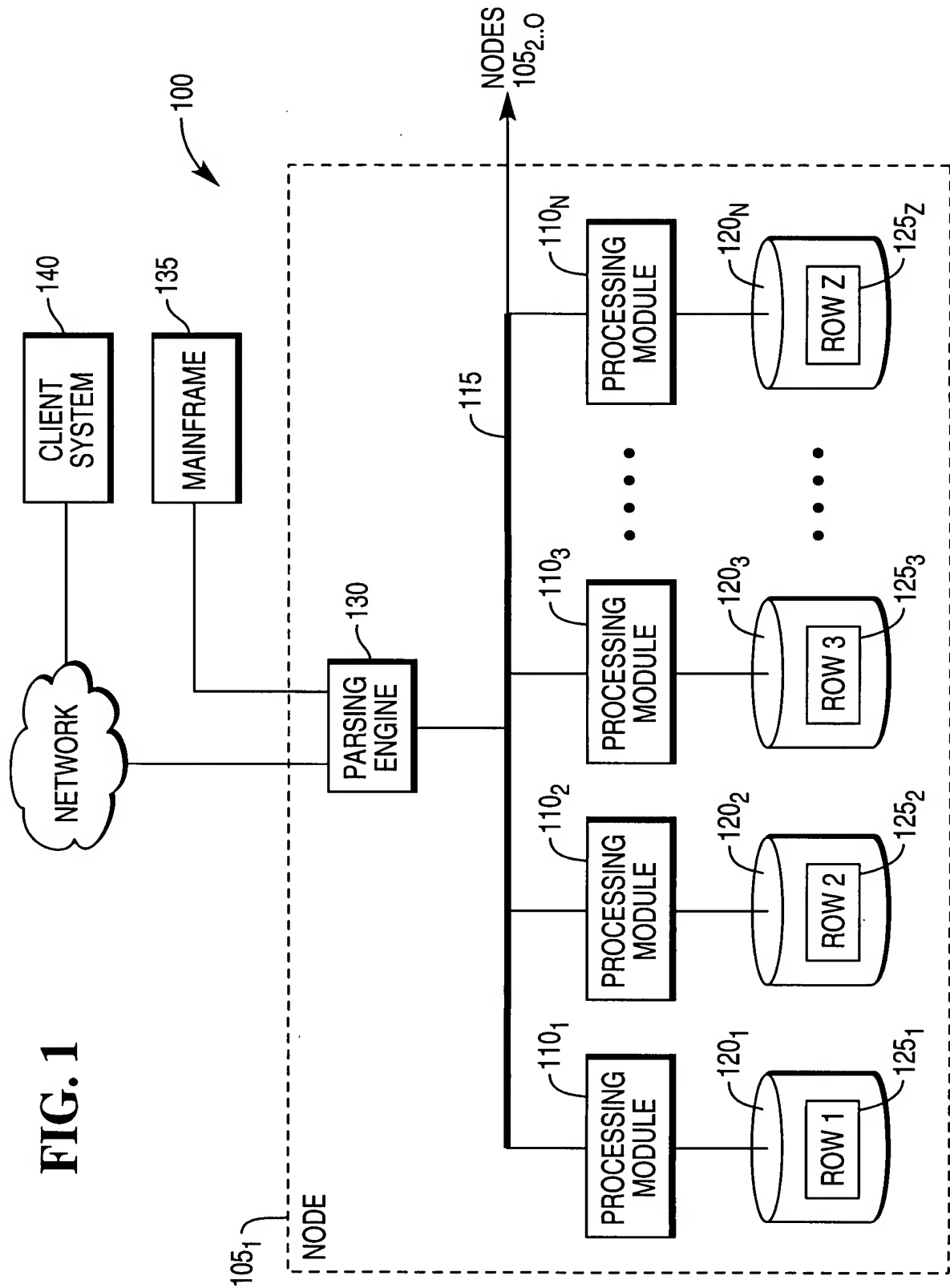


FIG. 2

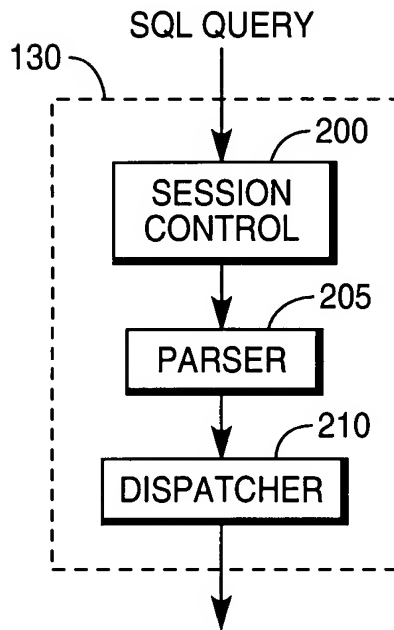


FIG. 3

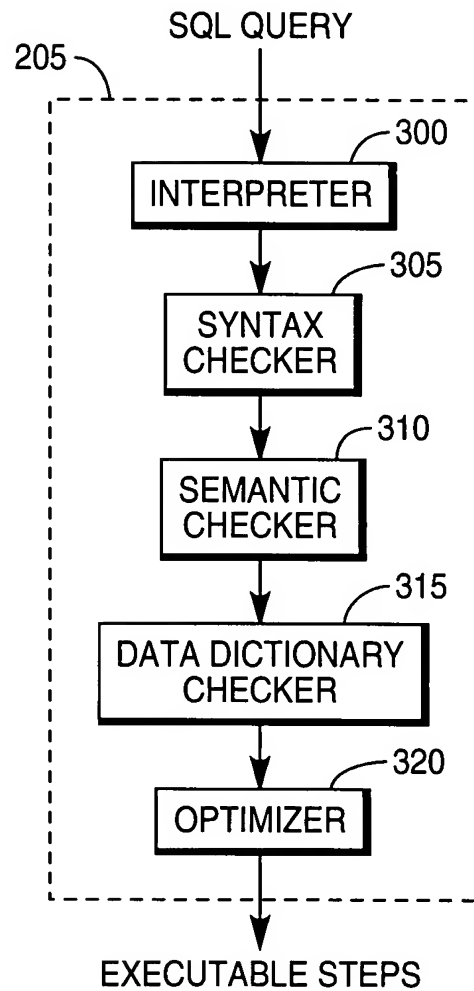
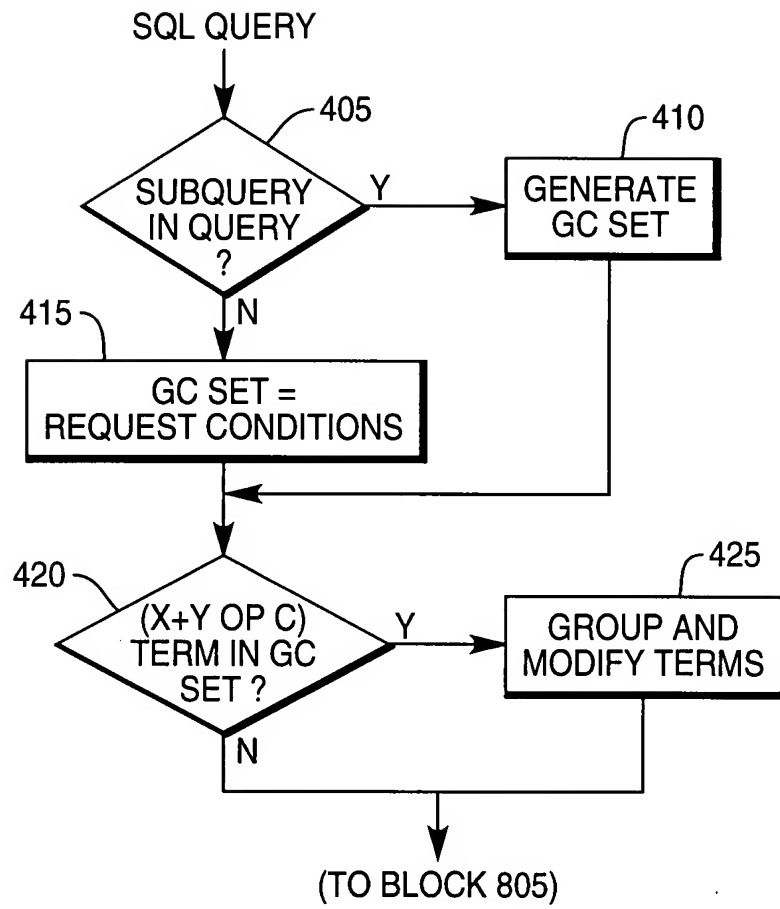


FIG. 4



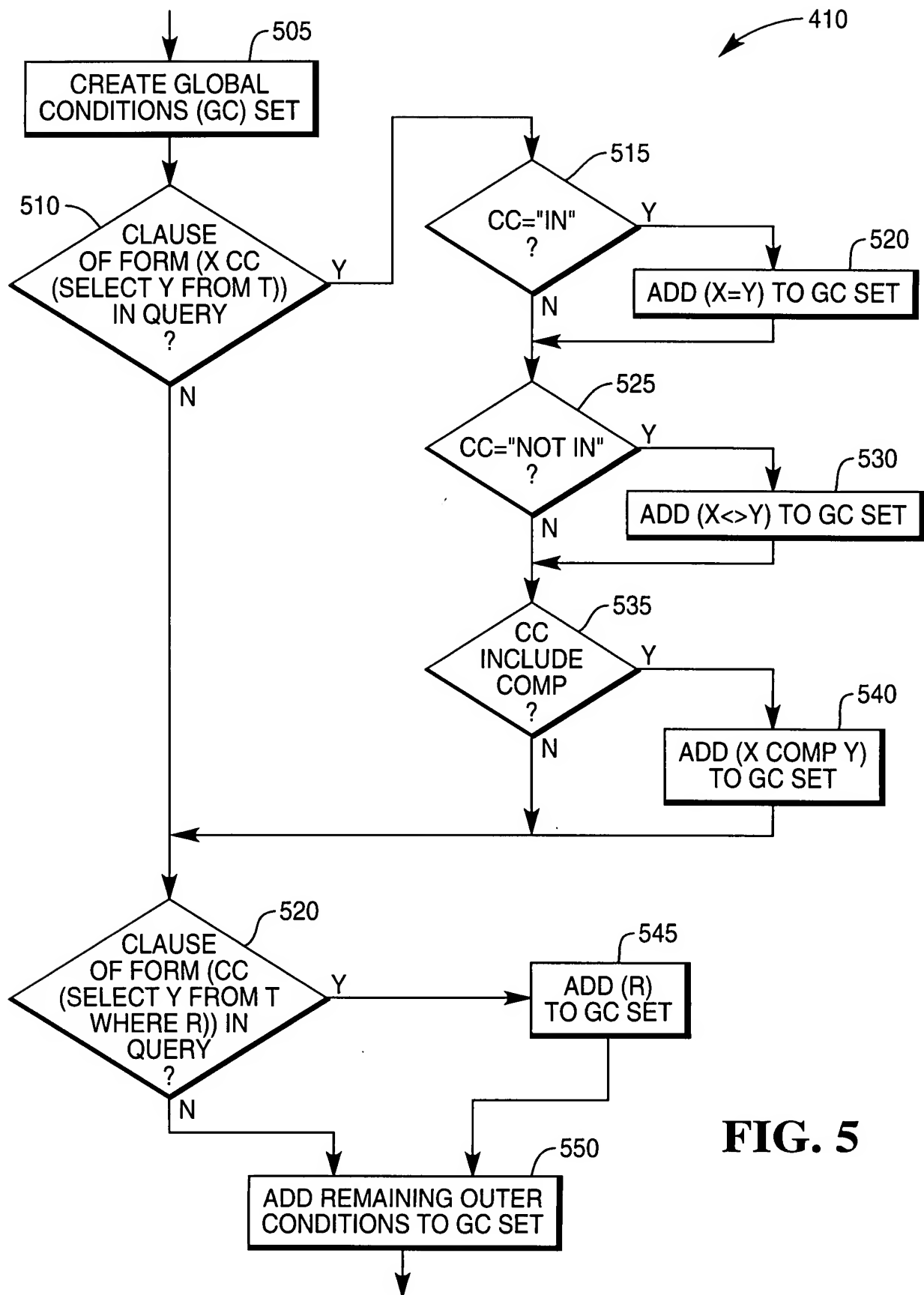


FIG. 5

FIG. 6

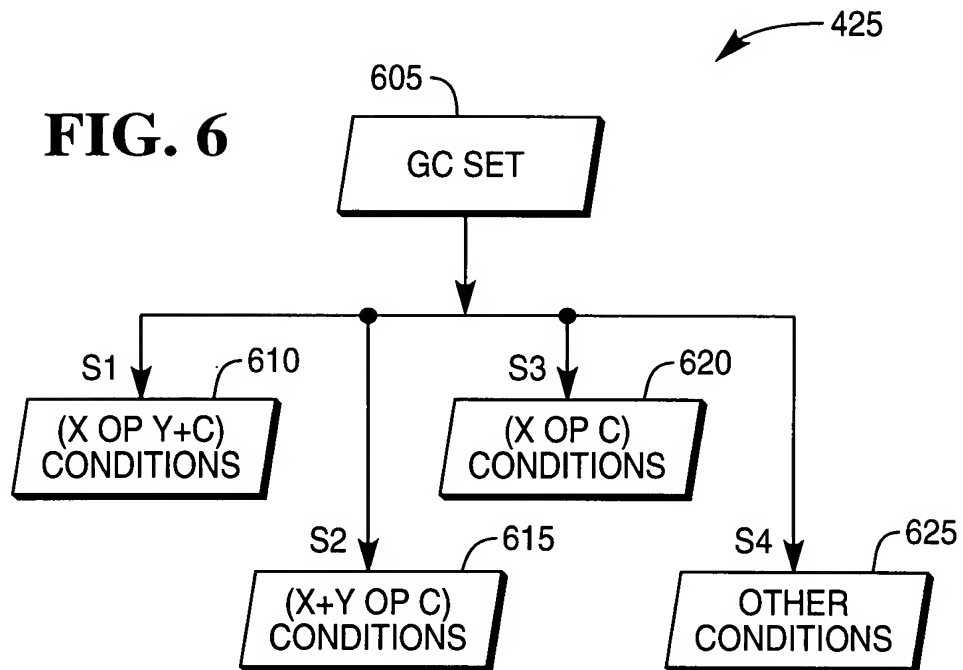


FIG. 7

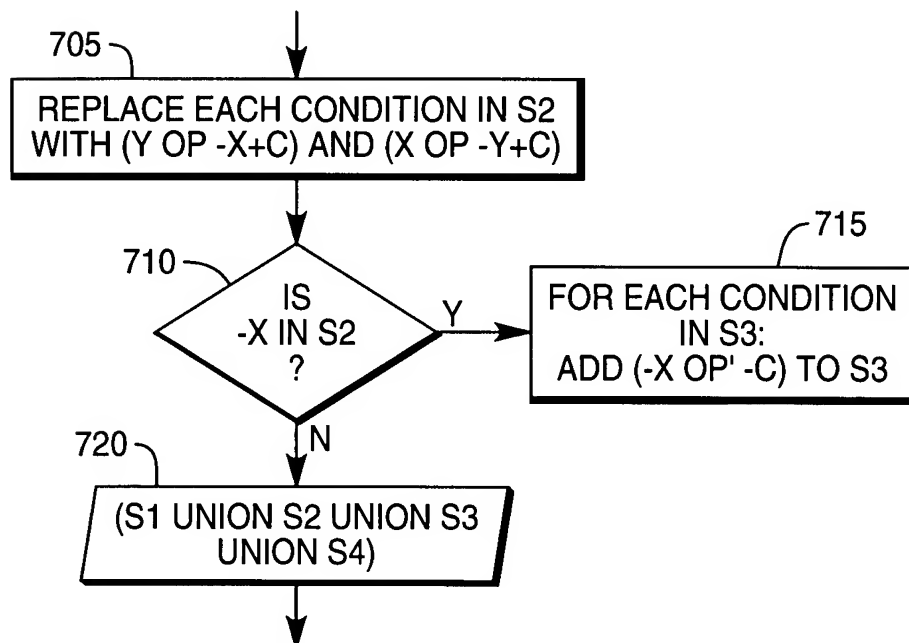


FIG. 8

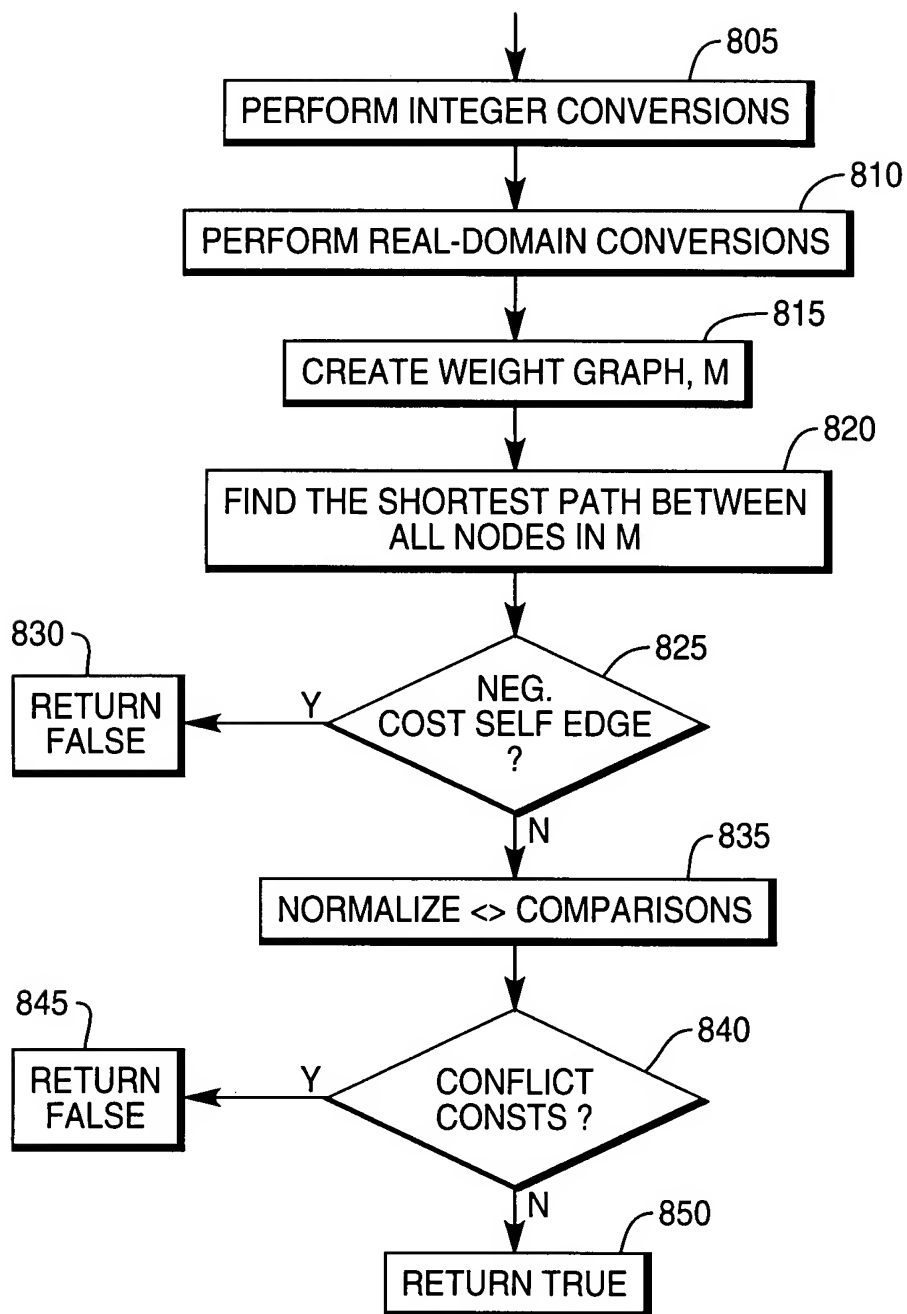
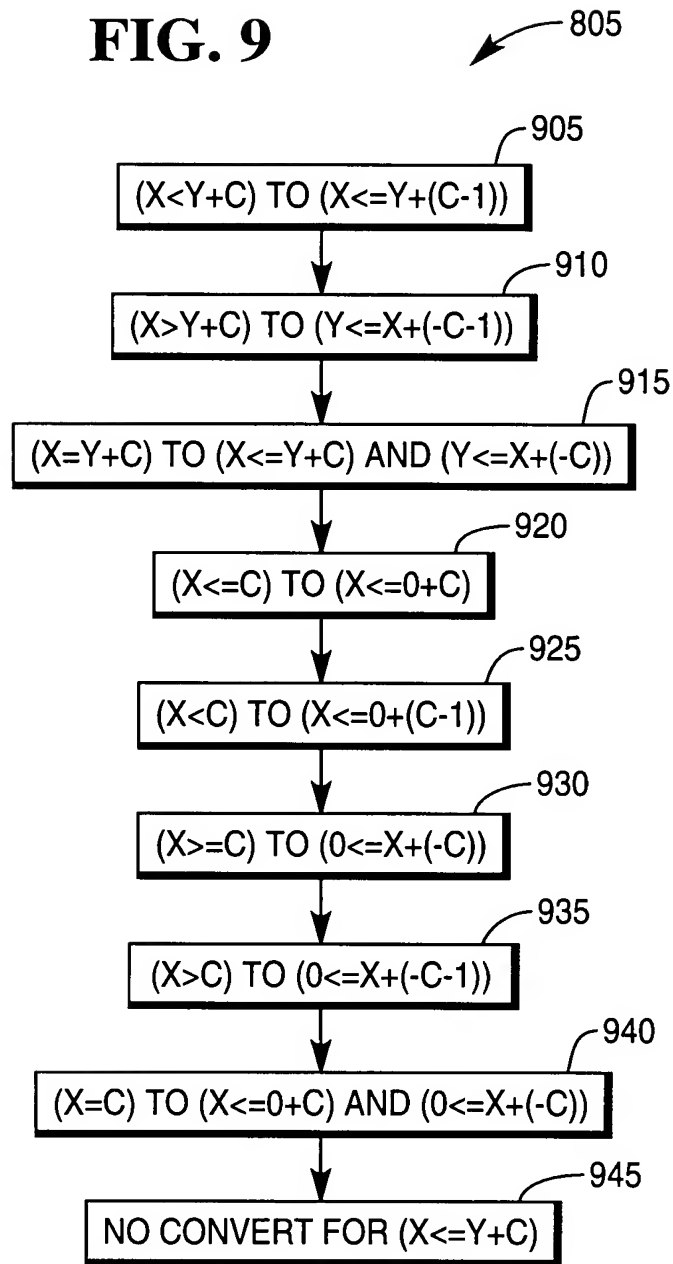
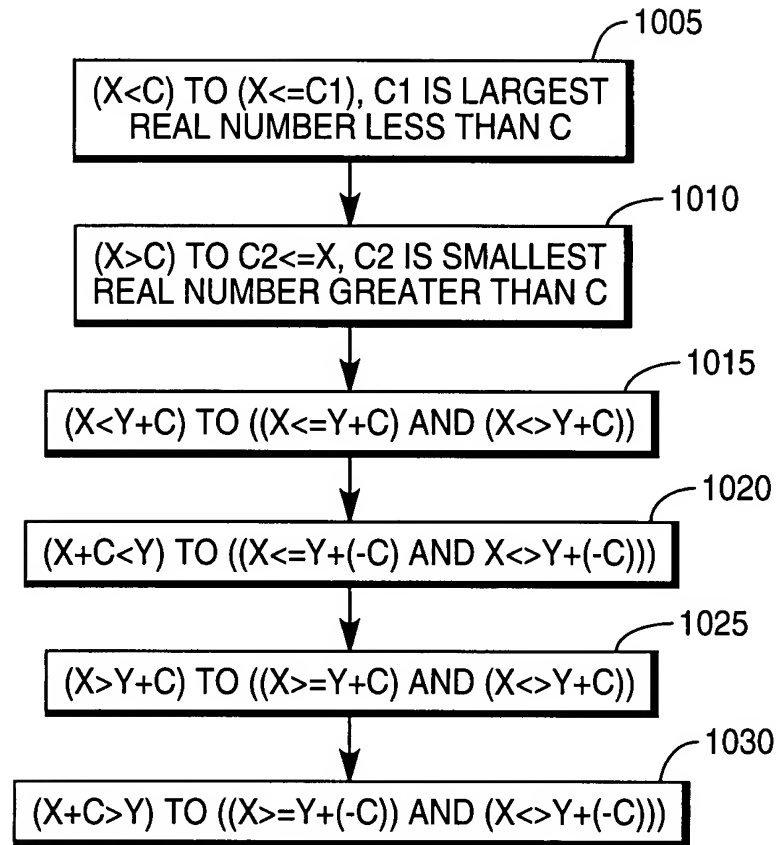


FIG. 9



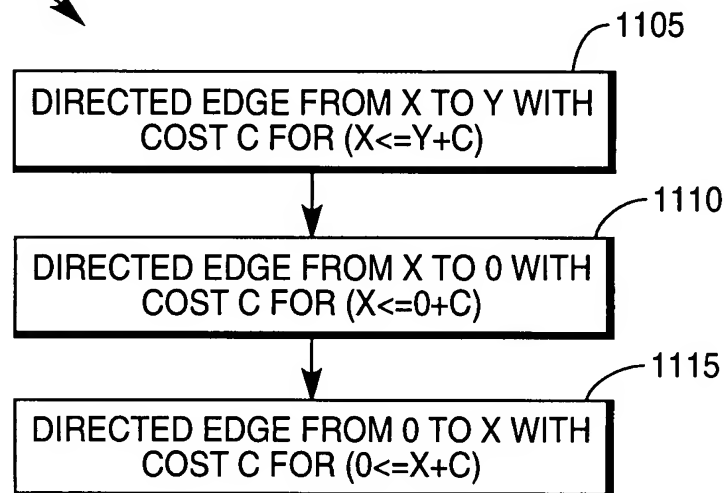
810

FIG. 10



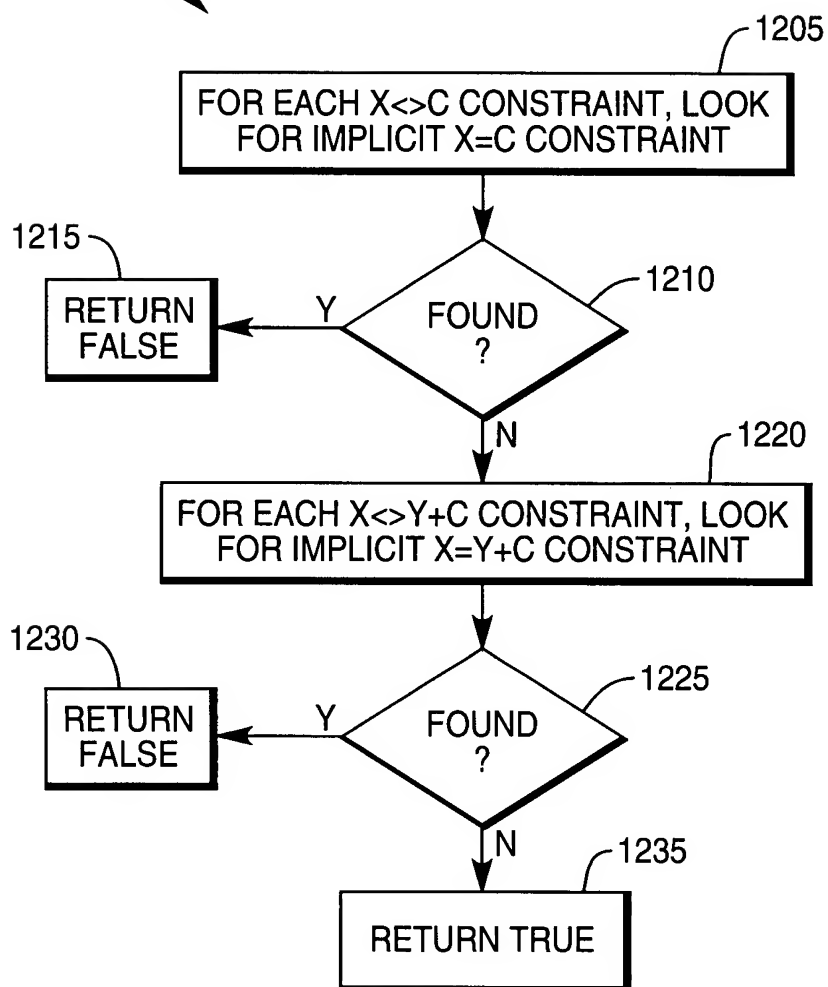
815

FIG. 11



840

FIG. 12



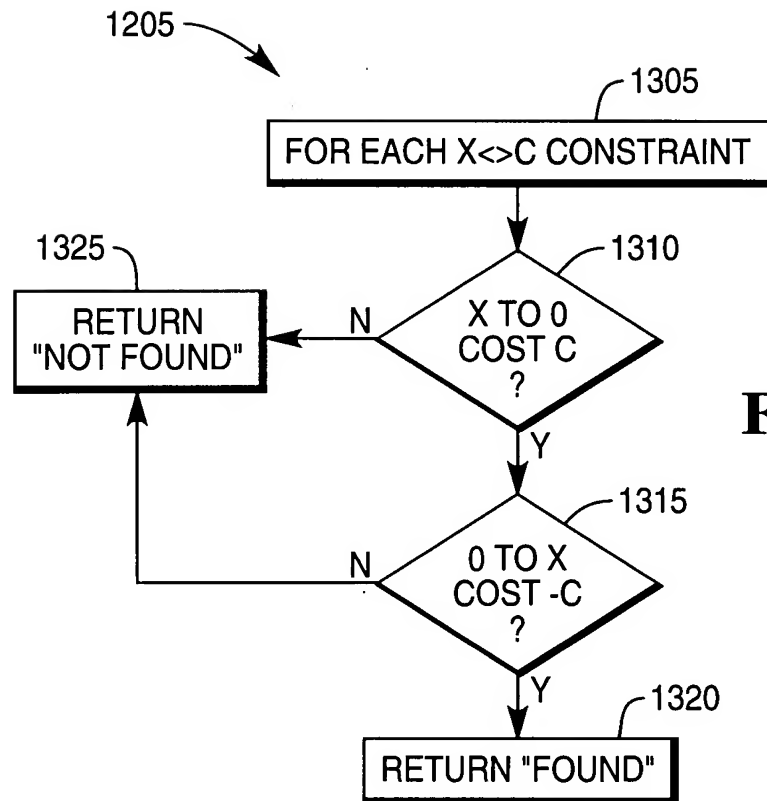


FIG. 13

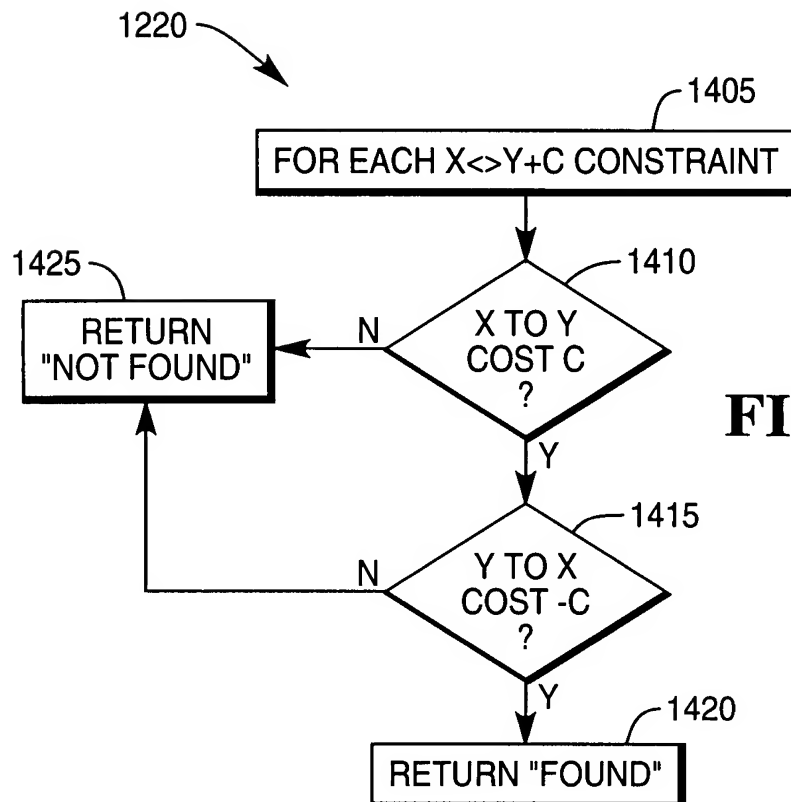


FIG. 14

FIG. 15

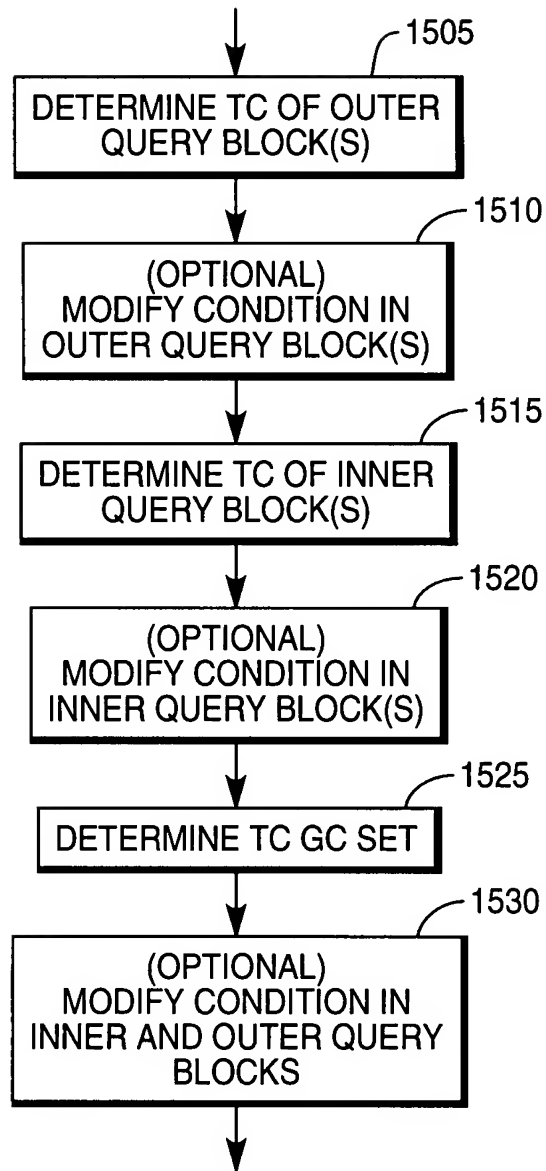
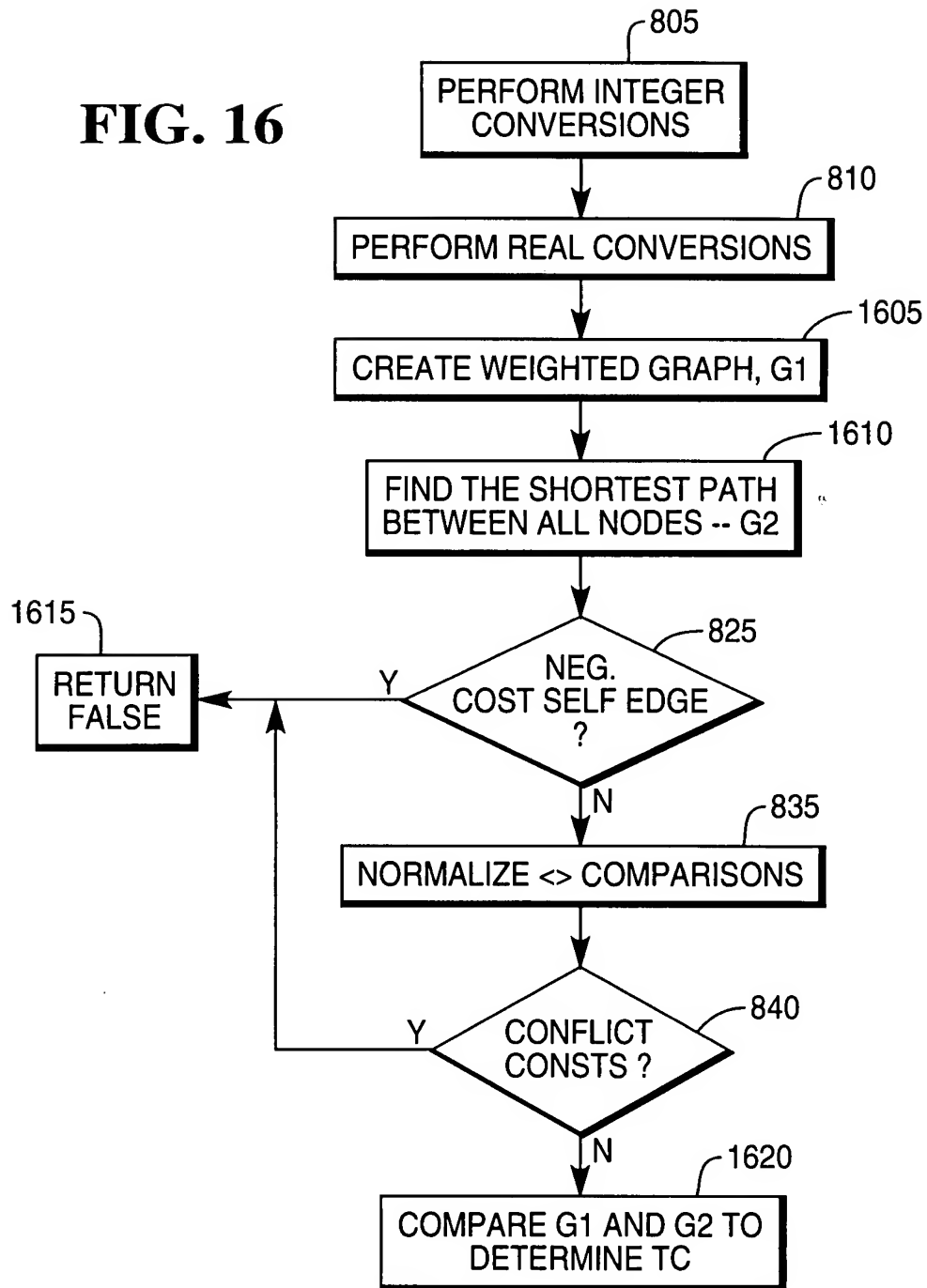


FIG. 16



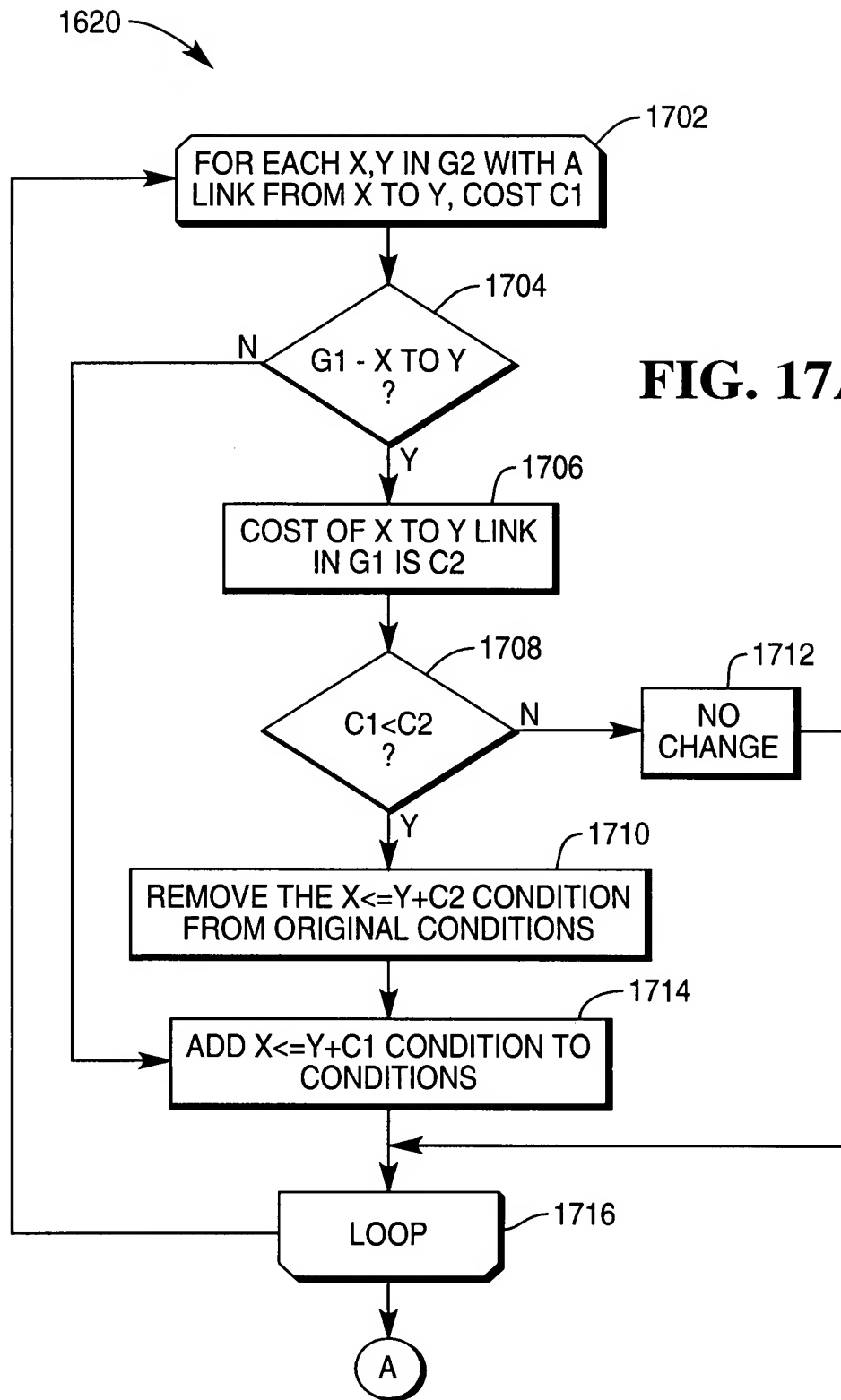


FIG. 17B

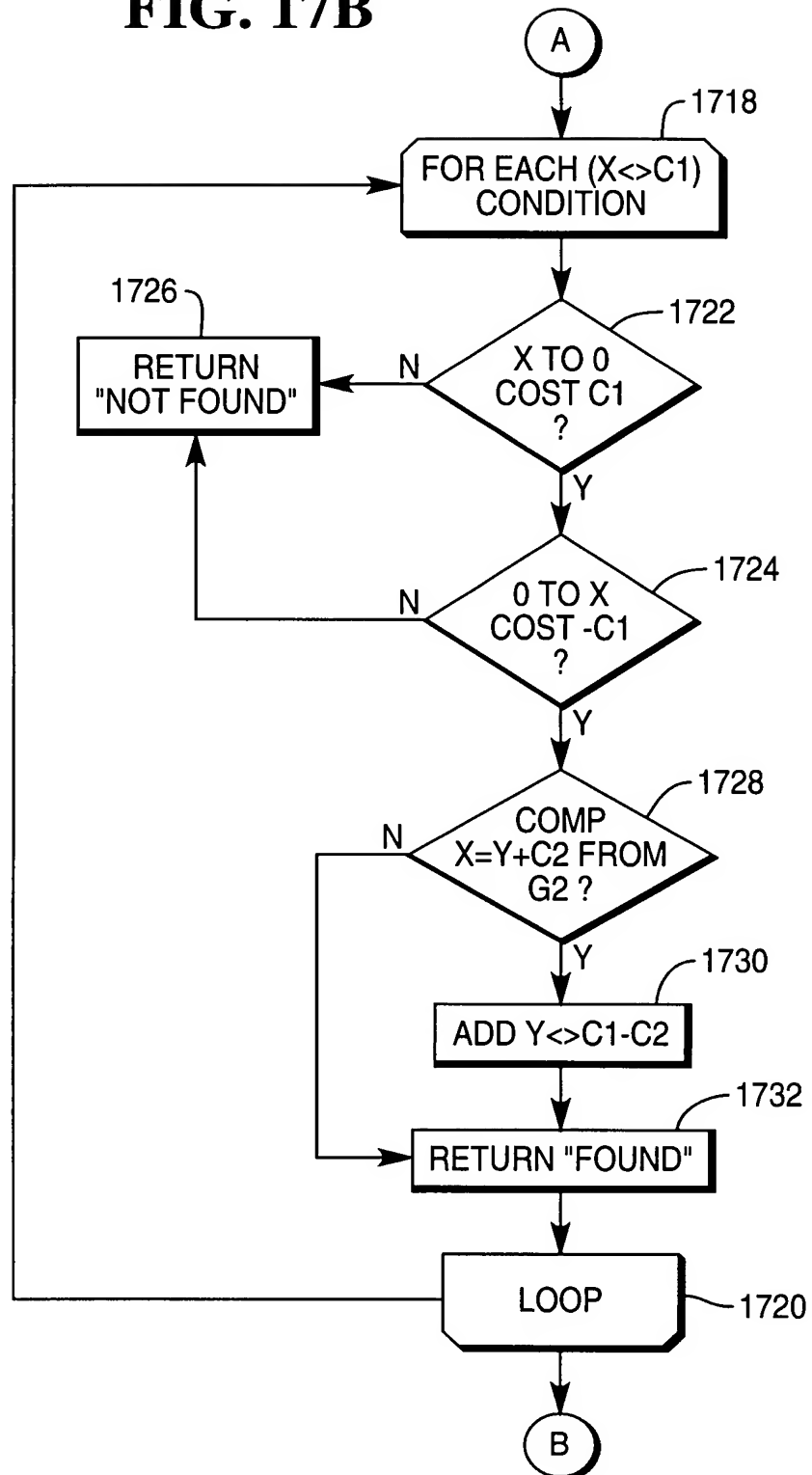


FIG. 17C

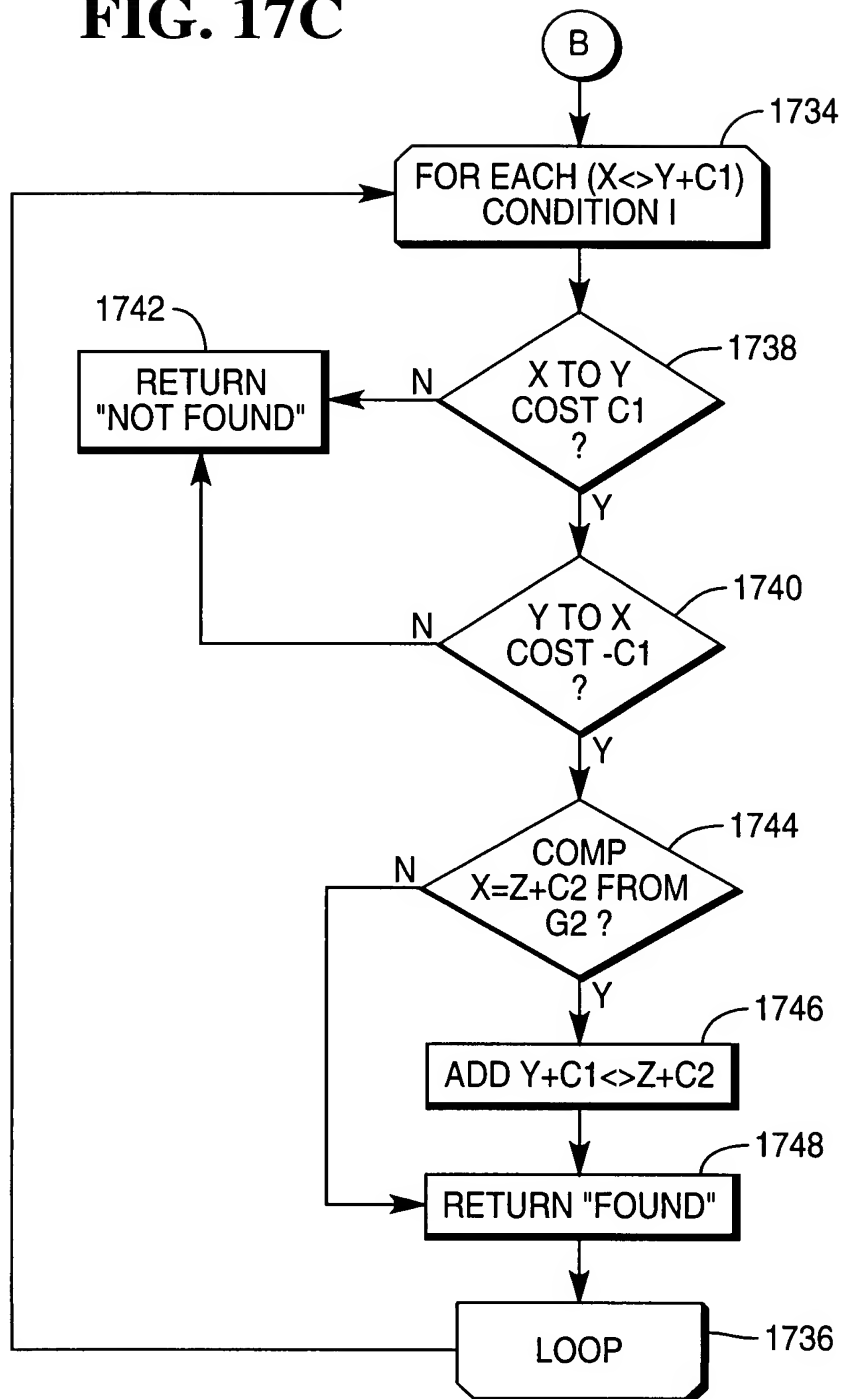


FIG. 18

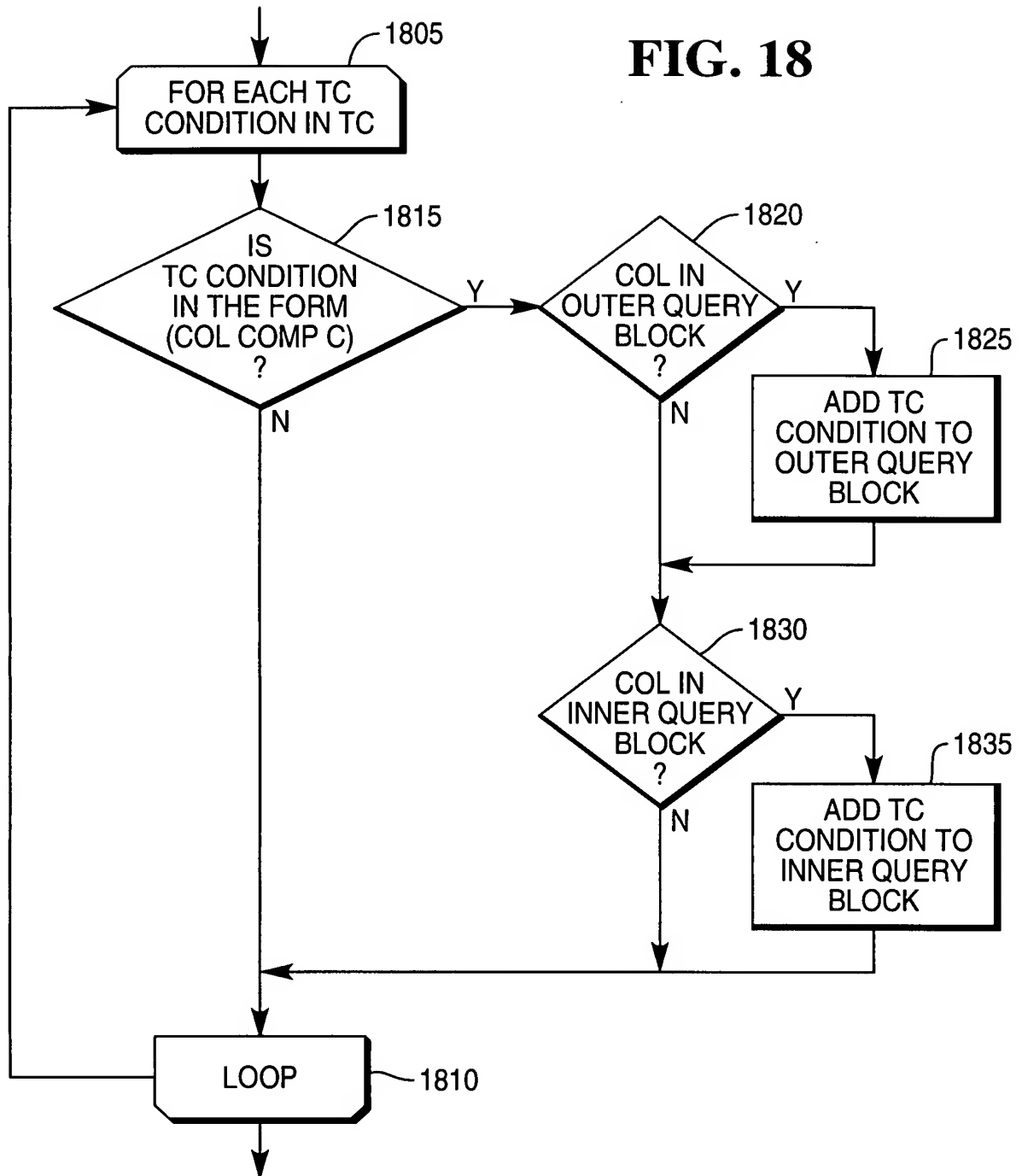


FIG. 1

The diagram illustrates a system architecture. On the left, a **CLIENT SYSTEM** (140) and a **MAINFRAME** (135) are connected to a **NETWORK** (represented by a cloud). The network is connected to a **PARSING ENGINE** (130). The parsing engine is connected to a horizontal bus (115). This bus is connected to a series of **PROCESSING MODULE**s (110₁, 110₂, 110₃, ..., 110_N). Each processing module is connected to a corresponding **ROW** (120₁, 120₂, 120₃, ..., 120_N), which is represented by a cylinder. Each row is further connected to a **ROW** (125₁, 125₂, 125₃, ..., 125_Z). The entire system is labeled **100**. The **CLIENT SYSTEM** and **MAINFRAME** are outside a dashed box labeled **NODE**. The **PARSING ENGINE** and the **PROCESSING MODULE**s are inside the **NODE**. The **ROWS** are outside the **NODE**. The **CLIENT SYSTEM** is labeled **140**, the **MAINFRAME** is labeled **135**, the **NETWORK** is labeled **130**, the **PARSING ENGINE** is labeled **130**, the **PROCESSING MODULE**s are labeled **110₁**, **110₂**, **110₃**, ..., **110_N**, the **ROWS** are labeled **120₁**, **120₂**, **120₃**, ..., **120_N**, and the **ROW**s are labeled **125₁**, **125₂**, **125₃**, ..., **125_Z**. The **CLIENT SYSTEM** is connected to the **NETWORK** by a line. The **MAINFRAME** is connected to the **NETWORK** by a line. The **NETWORK** is connected to the **PARSING ENGINE** by a line. The **PARSING ENGINE** is connected to the bus by a line. The bus is connected to each **PROCESSING MODULE** by a line. Each **PROCESSING MODULE** is connected to its corresponding **ROW** by a line. Each **ROW** is connected to its corresponding **ROW** by a line. The **CLIENT SYSTEM** is labeled **140**, the **MAINFRAME** is labeled **135**, the **NETWORK** is labeled **130**, the **PARSING ENGINE** is labeled **130**, the **PROCESSING MODULE**s are labeled **110₁**, **110₂**, **110₃**, ..., **110_N**, the **ROWS** are labeled **120₁**, **120₂**, **120₃**, ..., **120_N**, and the **ROW**s are labeled **125₁**, **125₂**, **125₃**, ..., **125_Z**. The **CLIENT SYSTEM** is connected to the **NETWORK** by a line. The **MAINFRAME** is connected to the **NETWORK** by a line. The **NETWORK** is connected to the **PARSING ENGINE** by a line. The **PARSING ENGINE** is connected to the bus by a line. The bus is connected to each **PROCESSING MODULE** by a line. Each **PROCESSING MODULE** is connected to its corresponding **ROW** by a line. Each **ROW** is connected to its corresponding **ROW** by a line. The **CLIENT SYSTEM** is labeled **140**, the **MAINFRAME** is labeled **135**, the **NETWORK** is labeled **130**, the **PARSING ENGINE** is labeled **130**, the **PROCESSING MODULE**s are labeled **110₁**, **110₂**, **110₃**, ..., **110_N**, the **ROWS** are labeled **120₁**, **120₂**, **120₃**, ..., **120_N**, and the **ROW**s are labeled **125₁**, **125₂**, **125₃**, ..., **125_Z**.

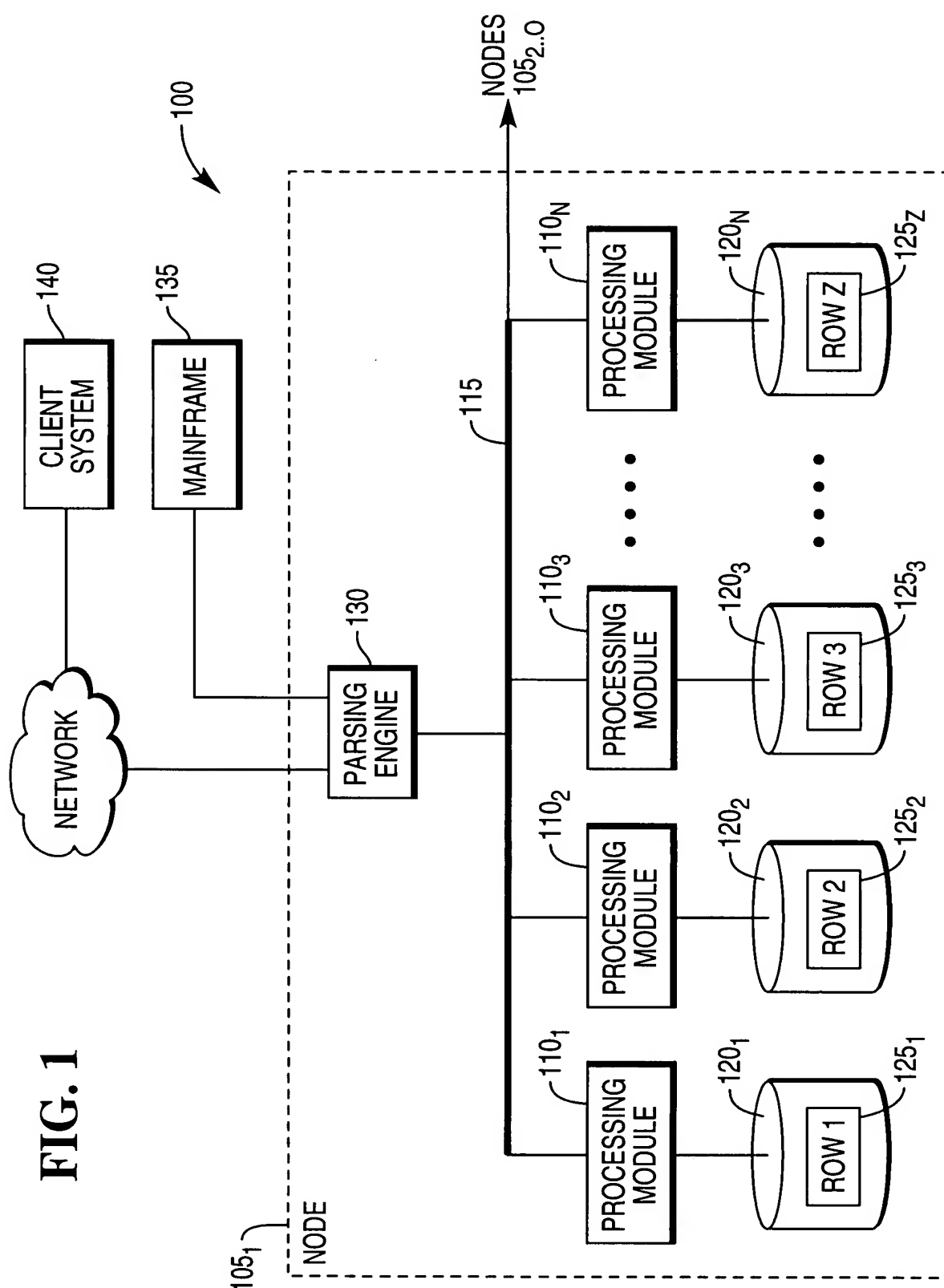


FIG. 2

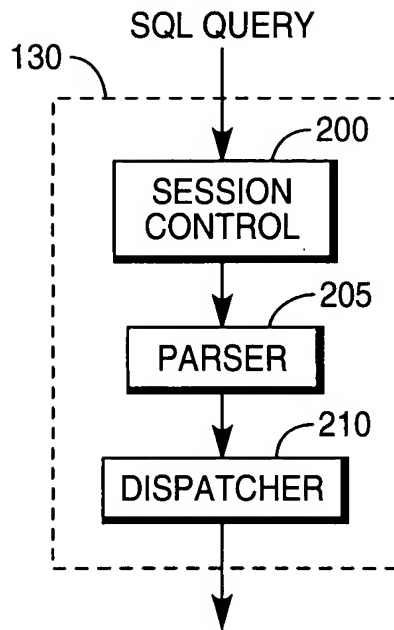


FIG. 3

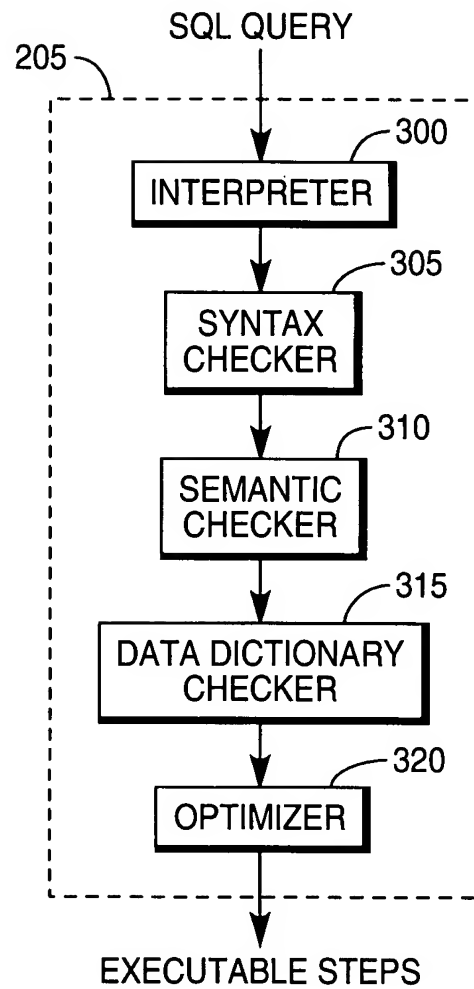
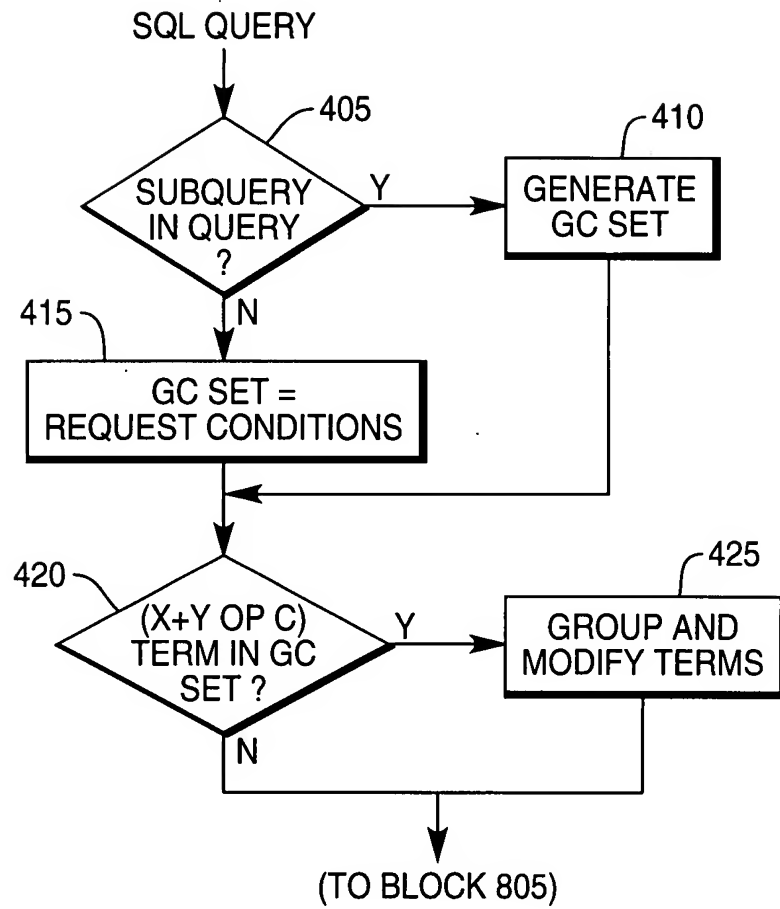


FIG. 4



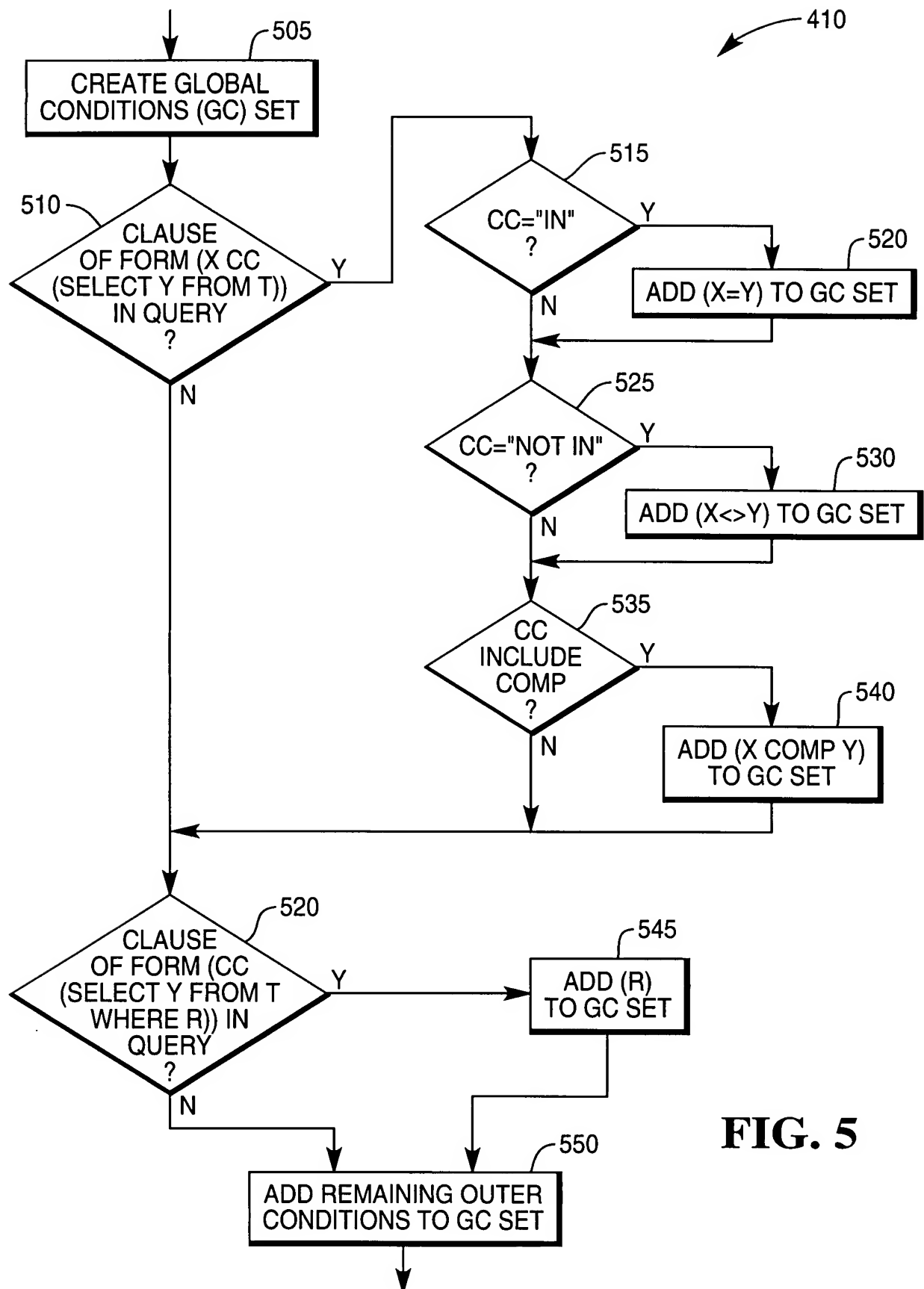


FIG. 5

FIG. 6

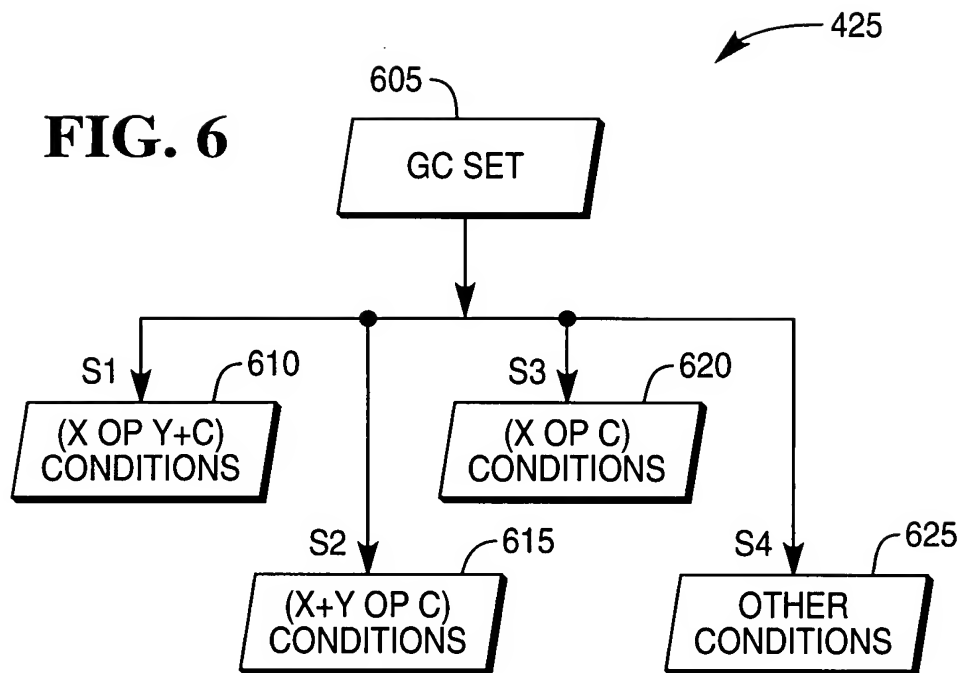


FIG. 7

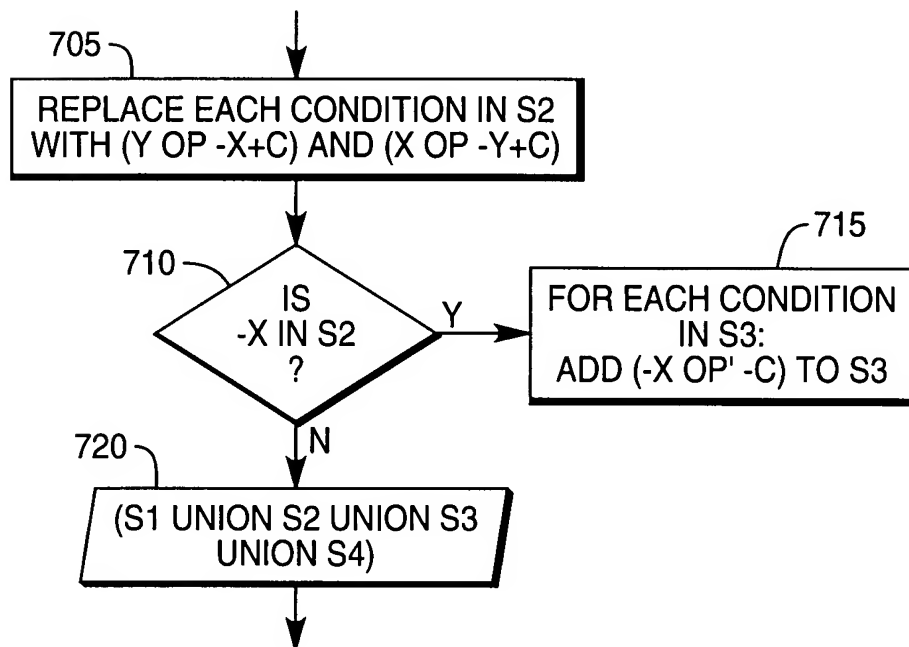


FIG. 8

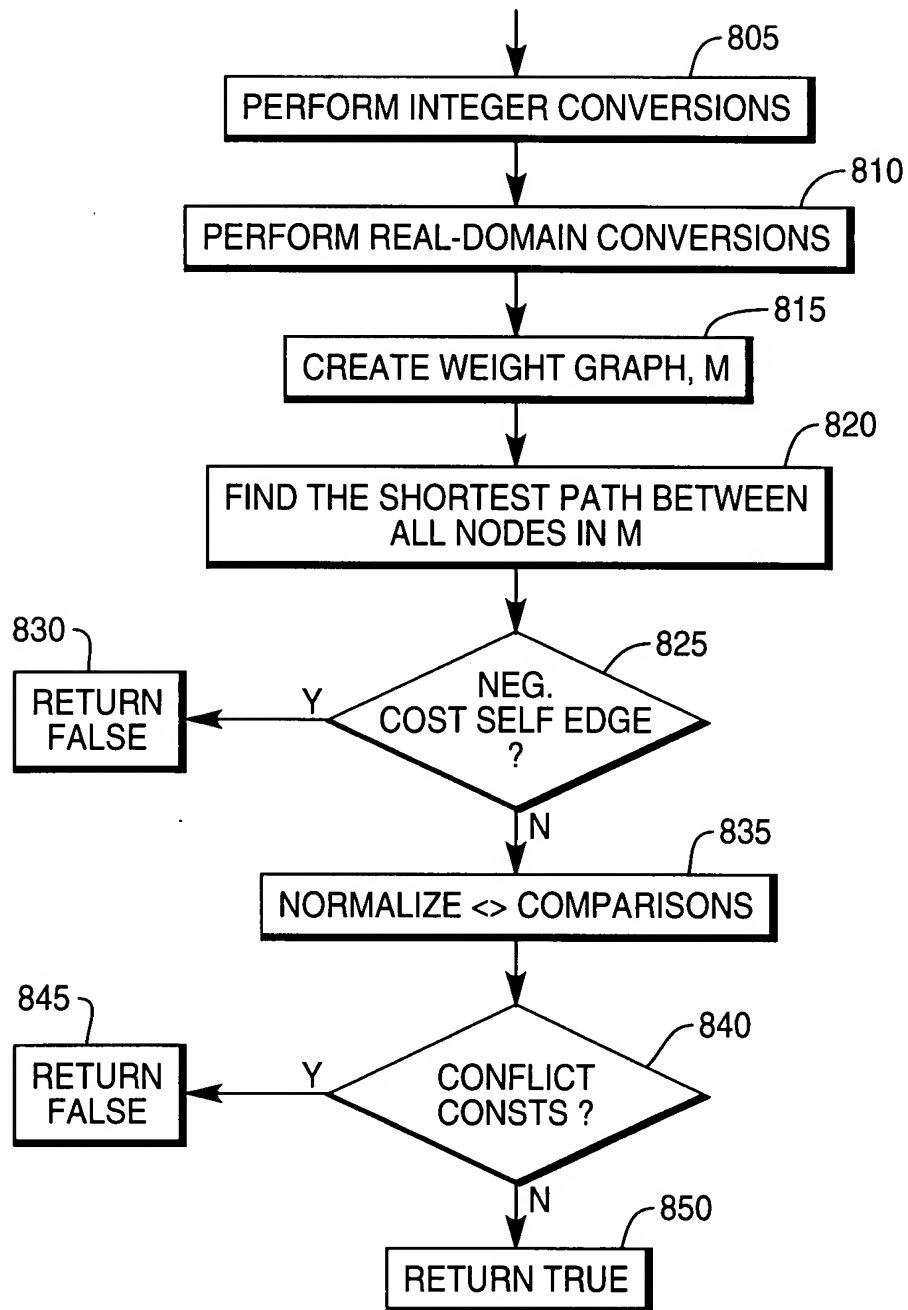
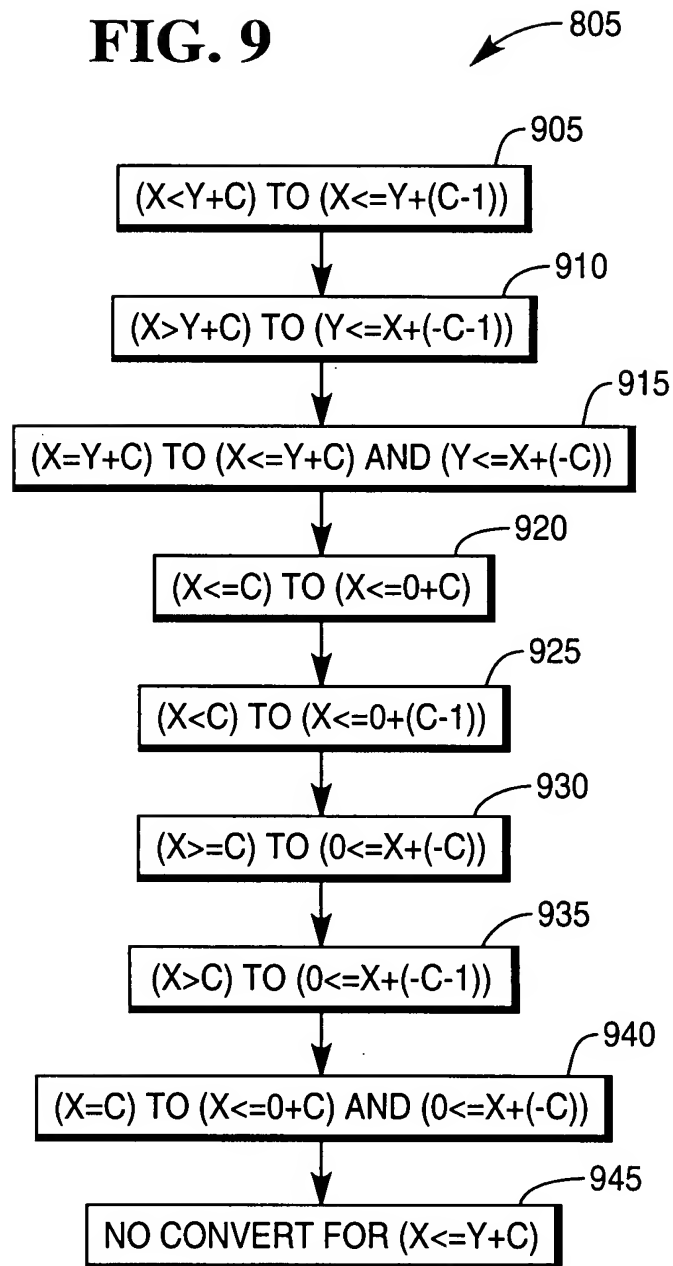
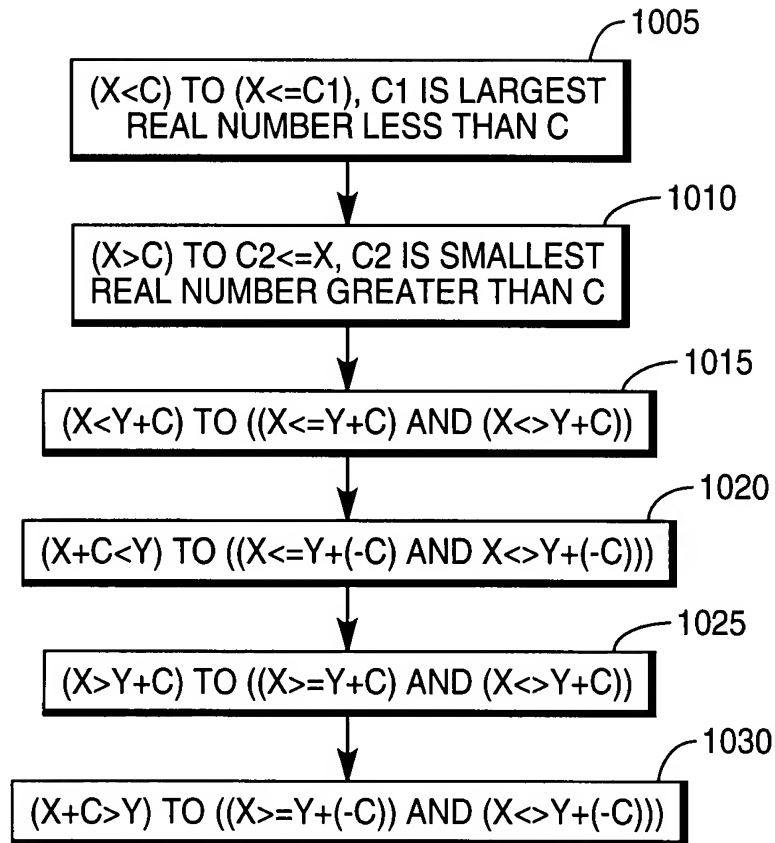


FIG. 9



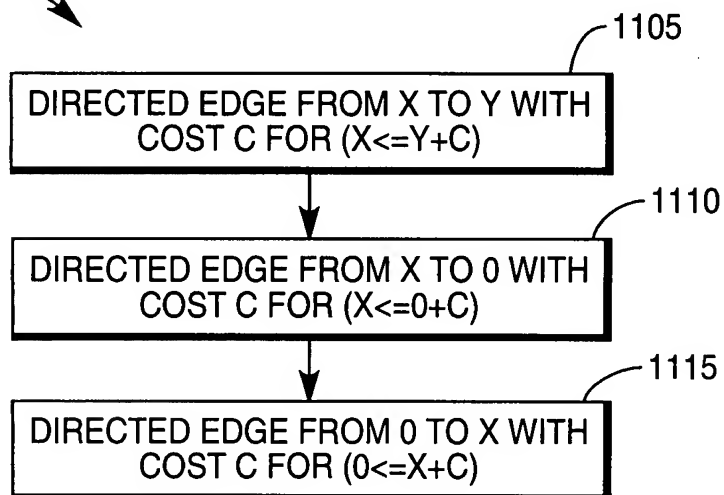
810

FIG. 10



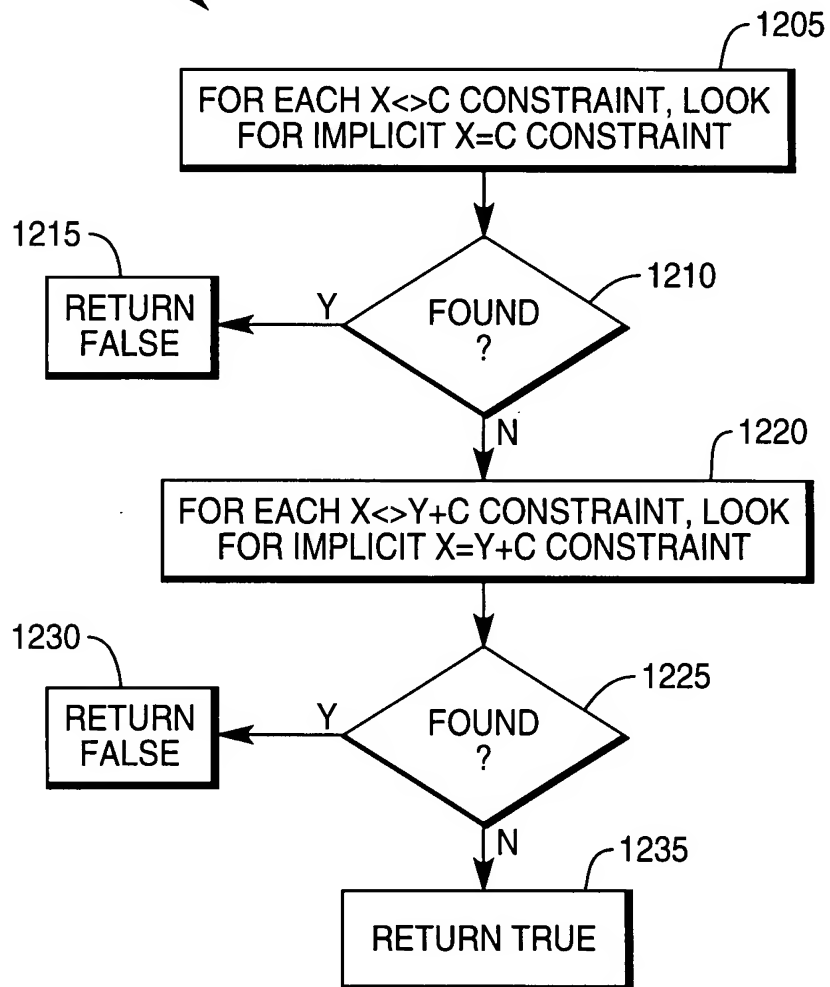
815

FIG. 11



840

FIG. 12



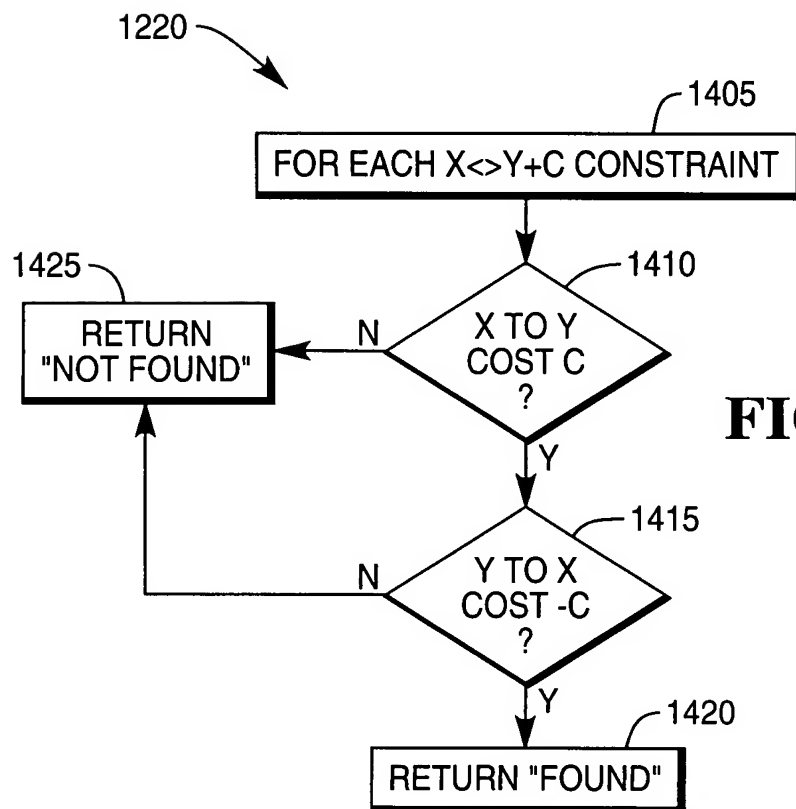
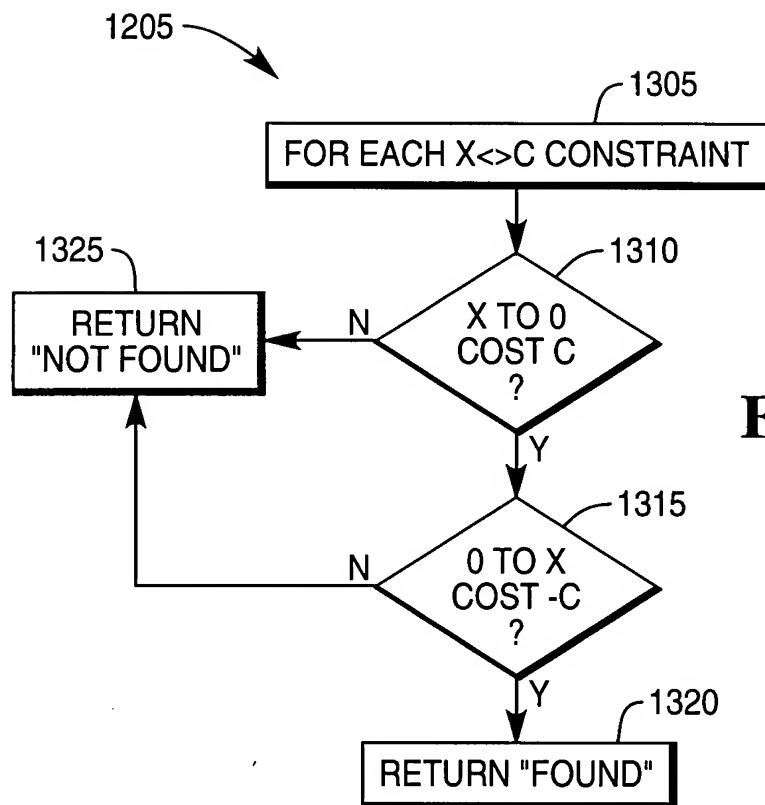


FIG. 15

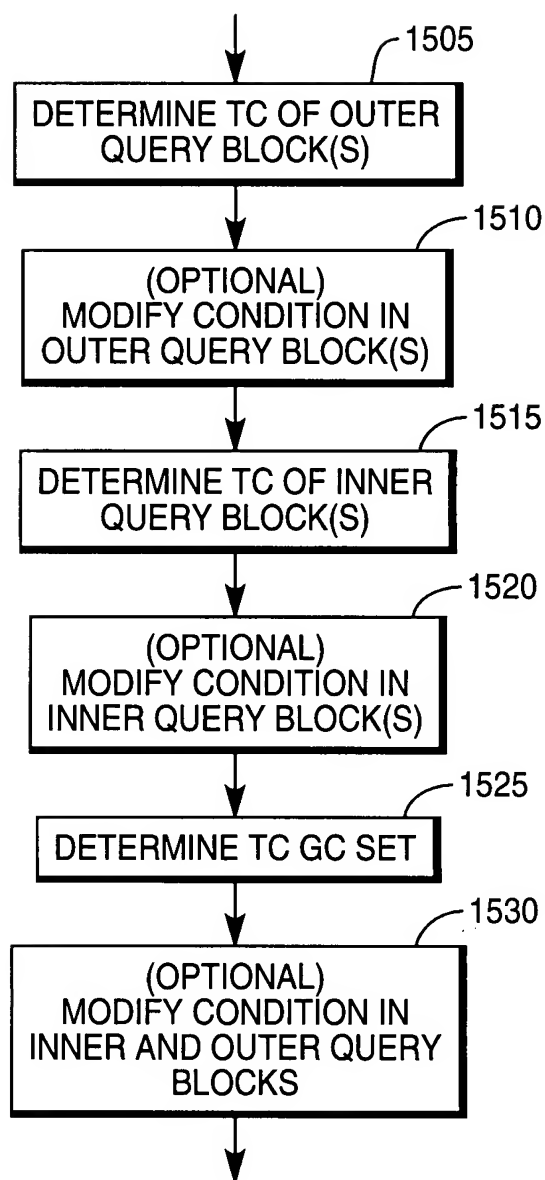
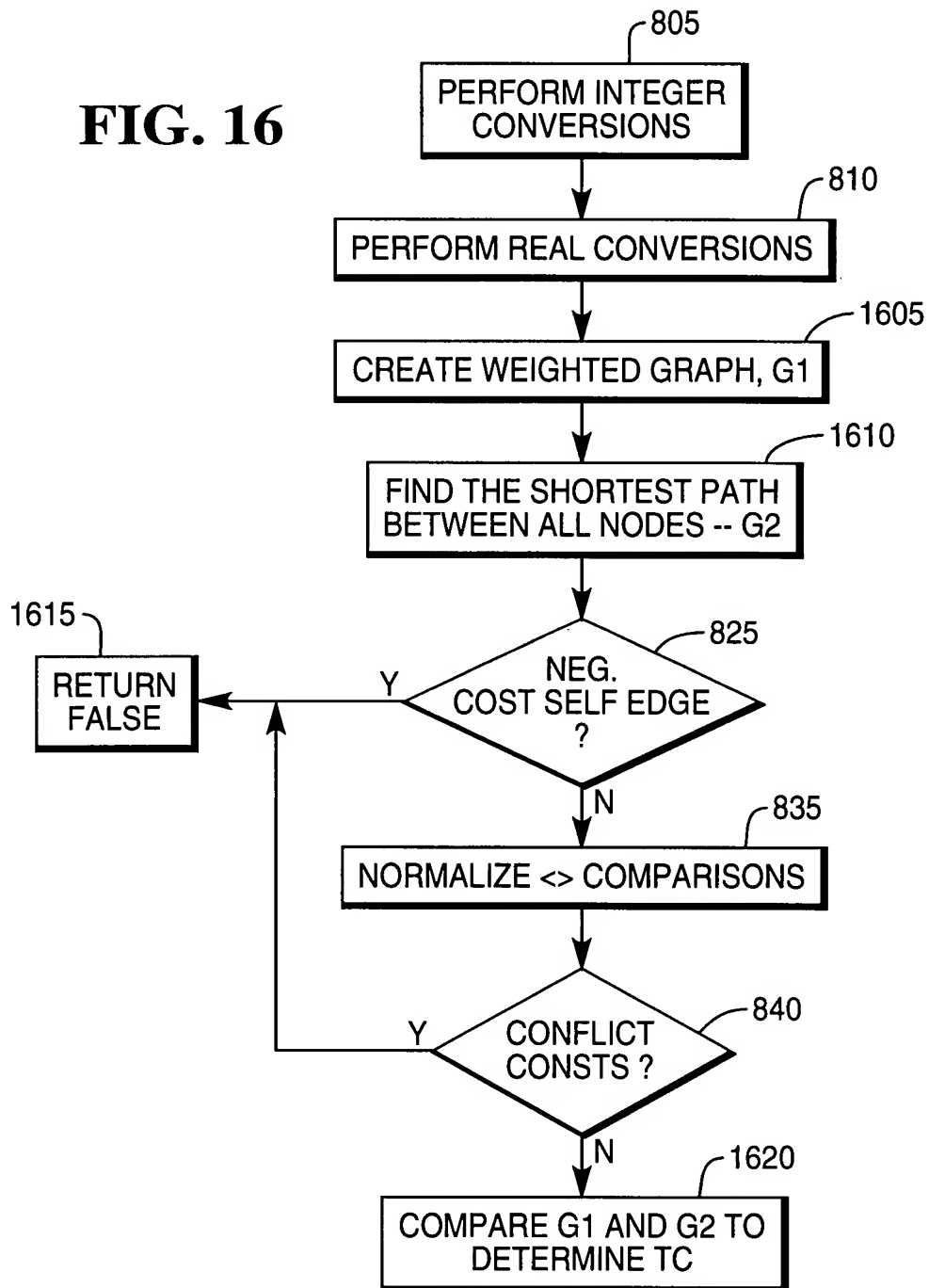


FIG. 16



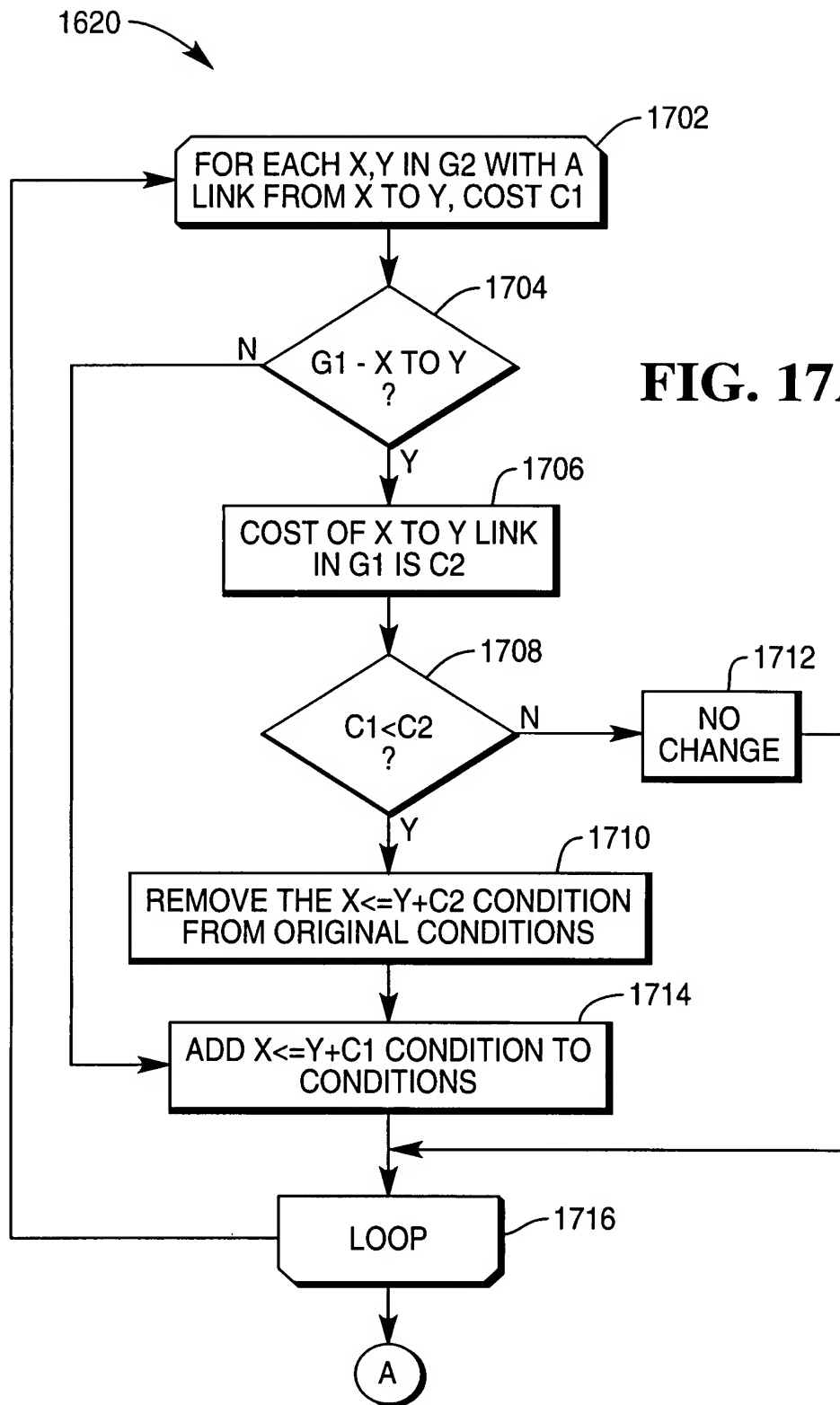


FIG. 17A

FIG. 17B

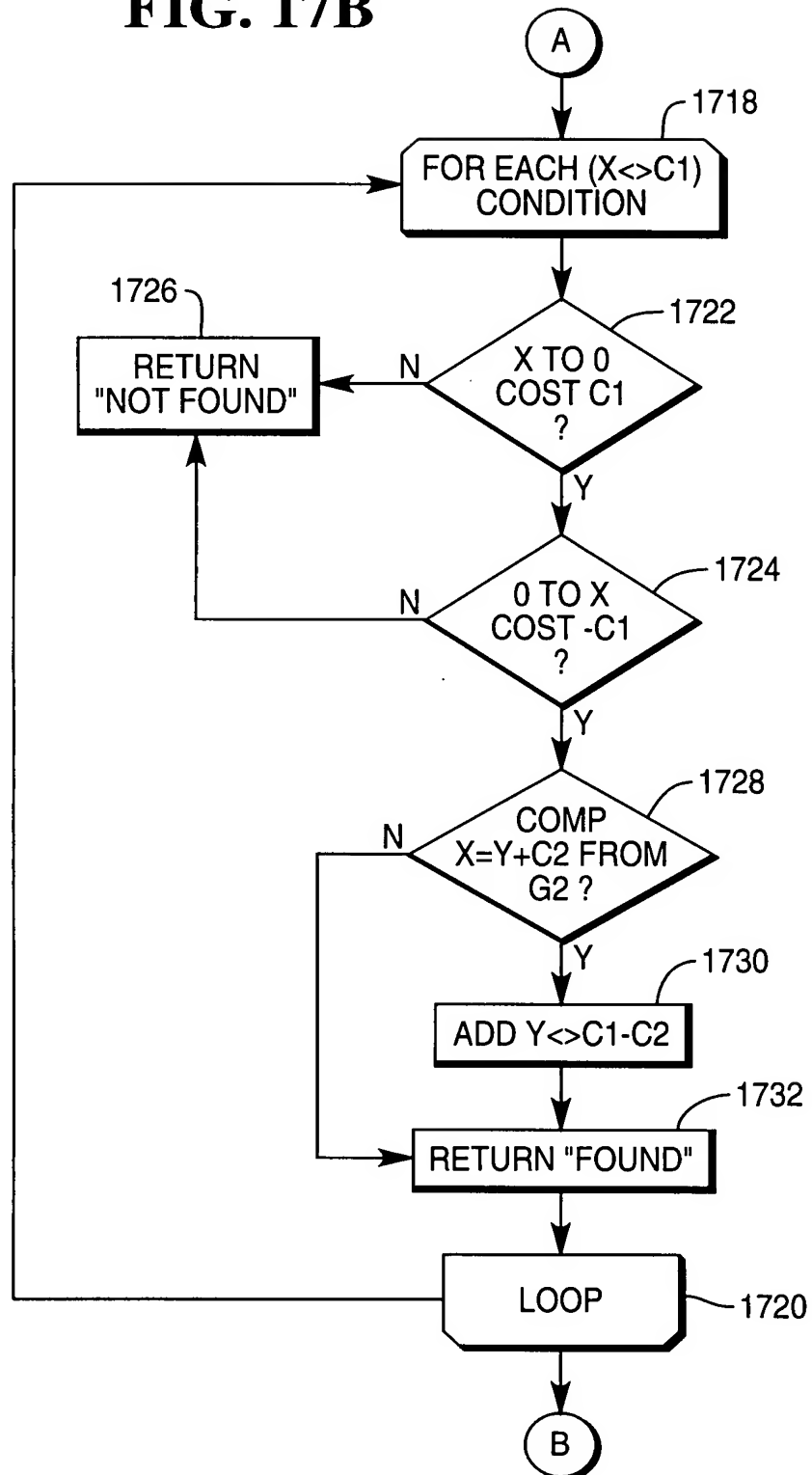


FIG. 17C

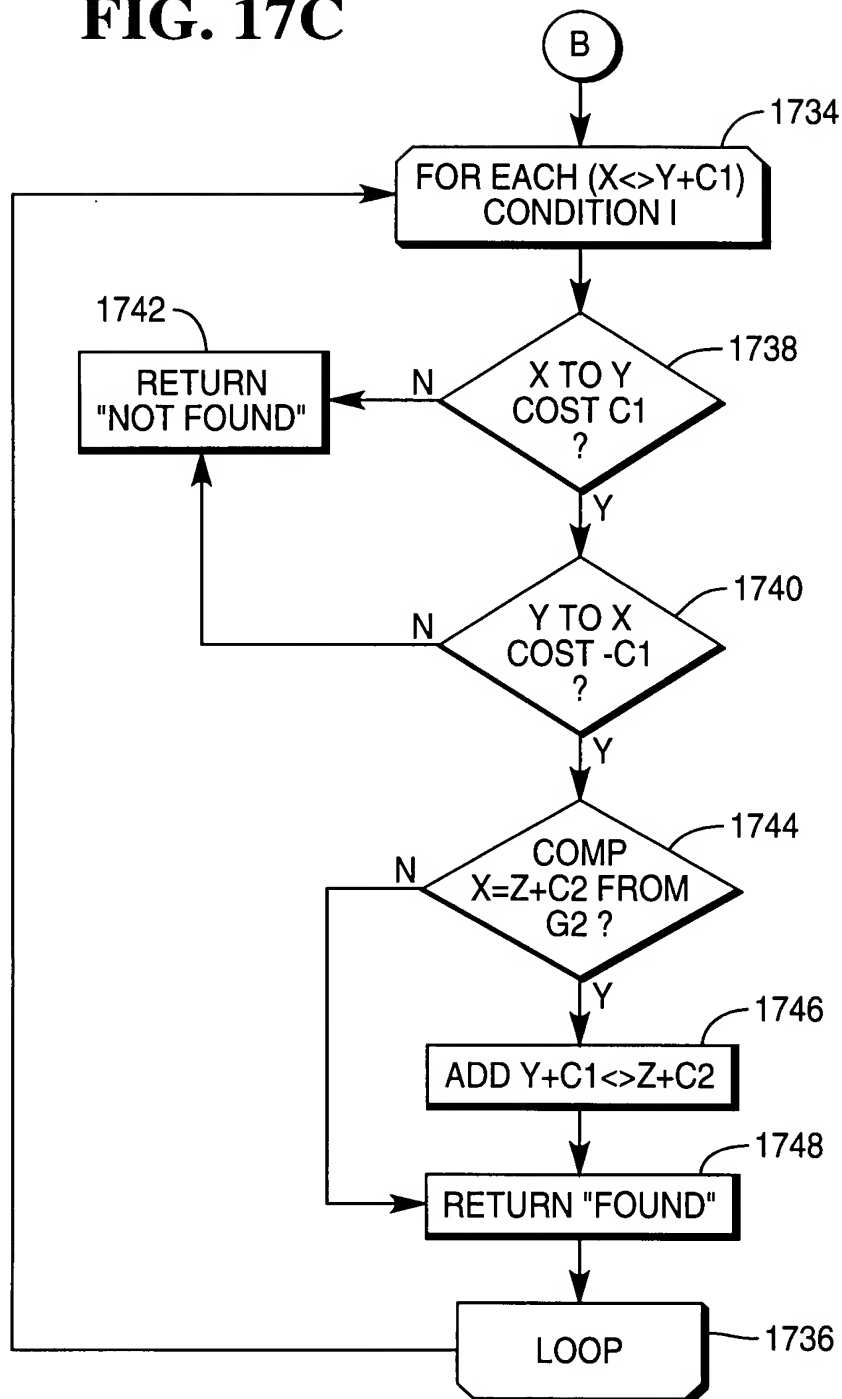


FIG. 18

